



PATENT ABSTRACTS OF JAPAN

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(54) CURVED SURFACE PANEL AND ITS PRODUCTION**(57) Abstract:**

PROBLEM TO BE SOLVED: To make it possible to uniformly maintain a cell gap and to assure panel strength even when a curved surface panel is made to be a large screen and to have a large curvature.

SOLUTION: The curved surface panel 20 is constituted by holding a display medium in the state of enclosing liquid crystal regions 6 with high-polymer walls 7 between circuit surface substrates 1 disposed to face each other. Band-shaped transparent electrodes 2 are formed on both of the display medium side surfaces of the curved surface substrates 1. The transparent electrodes 2 on one side intersect with the transparent electrodes 2 on the other side. Electrical insulating films 3 and oriented films 4 are formed on the curved

surface substrates 1 having the transparent electrodes 2. The opposite parts of the transparent electrodes 2 are picture element parts 12 and the non-opposite parts are non-picture element parts 13. The liquid crystal regions 6 exist in the picture element parts 12 and the high-polymer walls 7 exist in the non-picture element parts 13. The peripheral edges between the substrates 1 are provided with sealing materials 9.

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